NEW

DMS 1600

Modular DVI Matrix Switcher with EDID Minder™

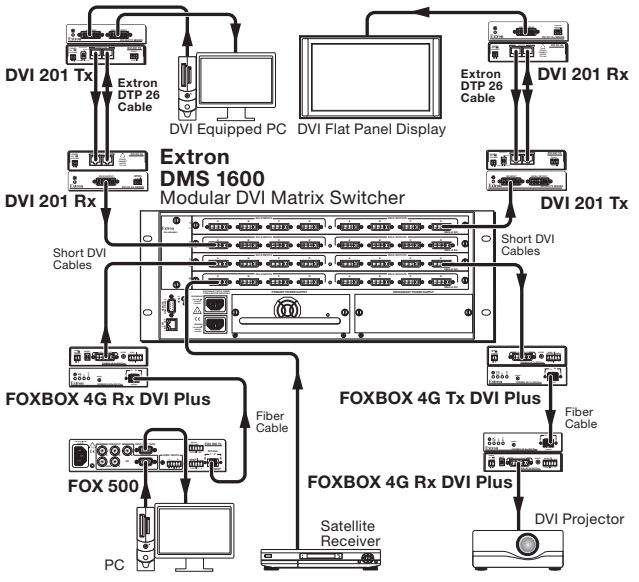
Shown with optional I/O boards

DESCRIPTION

The Extron **DMS 1600** represents a new level of matrix switching for DVI. It combines the simplicity and reliability of a fixed I/O matrix switcher with the convenience and flexibility of a modular matrix switcher. The 4U enclosure accepts any combination of DVI boards. Input and output boards are available in 4-port input, 4-port output, and 4x4 I/O versions, providing various I/O size combinations with sizes from 4x4 to 16x16 for full system customization. The DMS 1600 is ideal for a wide range of applications that require routing of high-resolution DVI digital video signals without copy protection.

FEATURES

- **Available in I/O sizes from 4x4 to 16x16**
- **Modular, field-upgradeable and hot-swappable design**
- **EDID Minder™**
- **Automatic cable equalization for each input to 100 feet (30 meters) at 1920x1200 when used with Extron DVI Pro cables**
- **Automatic output reclocking**
- **Provides +5 VDC, 250 mA power on each output for external peripheral devices**
- **Supports DDC transmission**
- **IP Link® Ethernet control**



SPECIFICATIONS

VIDEO — DMS DVI BOARDS	
Resolution range	Up to 1080p (HDTV) or 1920x1200 (the highest resolution of the single link DVI standard) @ 48, 50, or 60 Hz
Signal type	Single-link DVI digital video signals are supported.
Maximum data rate	4.95 Gbps (1.65 Gbps per color)
Maximum pixel clock	165 MHz
Standards	DVI 1.0
VIDEO INPUT — DMS 44 DVI AND DMS 4I DVI INPUT BOARDS	
Equalization	Automatic
Input cable length	>50' (15.24 m) at 1920x1200 @ 48, 50, or 60 Hz; or 1080p
VIDEO OUTPUT — DMS 44 DVI AND DMS 4O DVI OUTPUT BOARDS	
Re-clocking	Automatic
Peripheral device power	250 mA per output
GENERAL	
Power	1 or 2 (positive-negative), 100 VAC to 240 VAC, 50-60 Hz; internal, 175 watts each *A redundant power supply is optional.
With primary power supply only	Enclosure without boards: 29 watts at 115 VAC, 60 Hz Enclosure fully loaded with (4) 4x4 I/O boards: 101 watts at 115 VAC, 60 Hz
With both primary and redundant power supplies	Enclosure without boards: 36 watts at 115 VAC, 60 Hz Enclosure fully loaded with (4) 4x4 I/O boards: 108 watts at 115 VAC, 60 Hz
Individual I/O boards	Each 4x4 I/O board: 18 watts at 115 VAC, 60 Hz Each 4 input board: 9 watts at 115 VAC, 60 Hz Each 4 output board: 9 watts at 115 VAC, 60 Hz
Thermal dissipation, full load	
With primary power supply only	86.1 BTU/hr
With both primary and redundant power supplies	92.1 BTU/hr
Enclosure dimensions	7.0" H x 17.0" W x 12" D (4U high, full rack wide) (17.8 cm H x 43.2 cm W x 30.5 cm D) (Depth excludes connectors and buttons. Width excludes rack ears.)
Shipping weight with boards installed	32 lbs (15 kg)
Vibration	ISTA 1A in carton (International Safe Transit Association)
Regulatory compliance	
Safety	CE, c-UL, UL
EMI/EMC	CE, C-tick, FCC Class A, ICES, VCCI

For complete specifications, please go to www.extron.com

MODEL	VERSION DESCRIPTION	PART #
DMS 1600 Frame	4U, 4-Slot Frame	60-1091-01
DMS 1600 Power Supply Kit	Redundant Power Supply Option	70-710-02
DMS I/O 44 DVI	4x4 I/O DVI	70-741-01
DMS 4i DVI	4-Input DVI	70-741-02
DMS 4o DVI	4-Output DVI	70-741-03